

DRAFT

Neosho, Lanagan, Powell and

Goodman Towersites

Ten-Year Area Management Plan

FY 2017–2026



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OVERVIEW

Area Name	Area Number	Year Acquired	Acreage	County	Administrative Responsibility	Maintenance Responsibility
Neosho Towersite	4706	1947	80	Newton	Forestry	Forestry
Lanagan Towersite	4640	1945	57	McDonald	Forestry	Forestry
Powell Towersite	4639	1946	80	McDonald	Forestry	Forestry
Goodman Towersite	4707	1947	40	Newton	Forestry	Forestry

Statement of Purpose:

A. Strategic Direction

- Neosho Towersite is an 80-acre parcel of land that is forest and woodland with a small gravel parking lot on the property. The fire tower has been removed. Uses permitted on the area include bird watching, hiking, archery deer hunting and turkey hunting.
- Lanagan Towersite is a small parcel of land that is primarily forest and woodland with a small gravel parking lot on the property. A fire tower is still in place. McDonald County E911 has a special use agreement allowing a communications antenna to be affixed to the tower. Uses permitted on the area include hiking (no designated trails), deer hunting, squirrel hunting and turkey hunting.
- Powell Towersite is a small parcel of land that is primarily forest and woodland with a small gravel parking lot on the property. The fire tower has been removed. Uses permitted on the area include hiking (no designated trails), deer hunting, squirrel hunting and turkey hunting. The White Rock Fire Department has a substation built on this property.
- Goodman Towersite is a small parcel of land that is primarily forest and woodland with a small gravel parking lot on the property. The fire tower has been removed. Uses permitted on the area include bird watching, deer hunting and turkey hunting. The Goodman Fire Department has a substation built on this property.

B. Desired Future Conditions

The desired future condition of the forested/woodland component of these towersites is a healthy natural community.

C. Federal Aid Statement

N/A

GENERAL INFORMATION AND CONDITIONS

I. Special Considerations

Area Name	Priority Areas	Natural Areas
Neosho Towersite	Hickory Creek Aquatic Conservation Opportunity Area	None
Lanagan Towersite	Big Sugar Creek Terrestrial Conservation Opportunity Area, Priority Forest Landscape	None
Powell Towersite	None	None
Goodman Towersite	None	None

II. Important Natural Features and Resources

Area Name	Species of Conservation Concern	Caves	Springs
Neosho Towersite	None	None	None
Lanagan Towersite	Yes ¹	None	None
Powell Towersite	None	None	None
Goodman Towersite	None	None	None

¹ Species of conservation concern are known from this area. Area Managers should consult the Natural Heritage Database annually and review all management activities with the Natural History Biologist.

III. Existing Infrastructure

Area Name	Parking Areas	Other
Neosho Towersite	1	
Lanagan Towersite	1	1 fire tower
Powell Towersite	1	Substation (built by White Rock Fire Department) and Missouri Department of Conservation communications tower
Goodman Towersite	1	Substation (built by Goodman Fire Department)

IV. Area Restrictions or Limitations

Area Name	Deed Restrictions	Federal Interest	Ease-ments	Cultural Resources	Hazards	Endangered Species	Boundary Issues
Neosho Towersite	None	Yes ⁴	Yes ⁵	None	None	None	None
Lanagan Towersite	Yes ¹	Yes ⁴	Yes ⁶	None	None	None	None
Powell Towersite	Yes ²	Yes ⁴	Yes ⁷	None	None	None	None
Goodman Towersite	Yes ³	Yes ⁴	Yes ⁸	None	None	None	None

¹ Ten-year special use agreement with McDonald County E911 to allow up to two communications antennas on the fire tower (expires 6/30/2016); Land use permit for installation of radio communications equipment with Roper Butane Gas Company.

² Lease with the White Rock Fire Department (expires 1/7/2062) for their substation on the Powell Towersite.

³ Lease with the Goodman Fire Department (expires 3/28/2066) for their substation on the Goodman Towersite.

⁴ Federal Interest conditions/restrictions: Federal funds may be used in the management of this land. Fish and wildlife agencies may not allow recreational activities and related facilities that would interfere with the purpose for which the State is managing the land. Other uses may be acceptable and must be assessed in each specific situation.

⁵ Powerline easement with Empire District Electric Company along east edge of property

⁶ Road (and residential utility) easement to neighboring property; powerline easements with New-Mac Electric Cooperative and KAMO Electric Cooperative

⁷ Powerline easement with New-Mac Electric Cooperative along northern boundary line

⁸ Powerline easement with Empire District Electric Company

MANAGEMENT CONSIDERATIONS

V. Terrestrial Resource Management Considerations

Challenges and Opportunities:

- 1) Manage forests.

Management Objective 1: Manage forest health.

Strategy 1: Assess forests for health and potential improvement by conducting forest inventories on each towersite. (Forestry)

Strategy 2: Implement management resulting from the forest inventories.

Strategy 3: Implement Best Management Practices following potential forest management activities according to the Missouri Watershed Protection Practice Recommended Practices for Missouri Forests (2014). (Forestry)

VI. Public Use Management Considerations

Challenges and Opportunities:

- 1) Maintain areas for public use (e.g., hunting, hiking, wildlife viewing) and provide suitable public access to areas.
- 2) Enforce area regulations.

Management Objective 1: Maintain areas for public use and access.

Strategy 1: Mow, trim and apply herbicides, as necessary, to maintain a favorable appearance around parking areas. (Forestry)

Strategy 2: Maintain known boundary lines. (Forestry)

Management Objective 2: Enforce area regulations.

Strategy 1: Conduct regular enforcement patrols during peak hunting seasons. (Protection)

VII. Administrative Considerations

Challenges and Opportunities:

- 1) Keep areas around the Lanagan fire tower and Powell communication tower free of vegetation to allow for use of fire tower.
- 2) The towersites provide opportunity to partner with county level E911 and rural fire departments for installation of radio communications equipment and remote fire stations housing rural firefighting equipment.
- 3) Powell Towersite is a valuable asset to the Missouri Department of Conservation's (the Department's) communications infrastructure and should be maintained as such.

Management Objective 1: Maintain tower guy wire lanes and anchor points, at Lanagan fire tower and Powell communication tower, by keeping them free of grass, trees and other brushy growth.

Strategy 1: Apply herbicide no less than twice a year and trim trees and brush, as necessary, to maintain guy wire lanes and guy wire anchor points. (Forestry).

Management Objective 2: Maintain adequate buffers around the Lanagan tower and Powell communications tower, mitigating concerns caused by vegetation.

Strategy 1: Mow or spray grass and trim back trees that may interfere with guy wires, electrical grounding rods or perimeter fences. (Forestry).

Management Objective 3: Maintain agreements, leases, and easements to ensure conditions are met.

Strategy 1: Maintain long-term lease with White Rock Fire Department for their substation on the Powell Towersite. (Forestry).

Strategy 2: Maintain agreement with McDonald County E911 for communications equipment at Lanagan Towersite. (Forestry).

Strategy 3: Maintain agreement with Goodman Fire Department for their substation on the Goodman Towersite. (Forestry).

MANAGEMENT TIMETABLE

Strategies are considered ongoing unless listed in the following table:

References:

Missouri Department of Conservation. (2014). *Missouri watershed protection practice recommended practices for Missouri forests: 2014 management guidelines for maintaining forested watersheds to protect streams*. Jefferson City, Missouri: Missouri Department of Conservation.

APPENDICES

- Appendix 1. Neosho Towersite Background
- Appendix 2. Area Map of Neosho Towersite
- Appendix 3. Easement Map of Neosho Towersite
- Appendix 4. Lanagan Towersite Background
- Appendix 5. Lanagan Towersite Area Map
- Appendix 6. Powell Towersite Background
- Appendix 7. Area Map of Powell Towersite
- Appendix 8. Easement Map of Powell Towersite
- Appendix 9. Goodman Towersite Background
- Appendix 10. Area Map of Goodman Towersite
- Appendix 11. Easement Map of Goodman Towersite

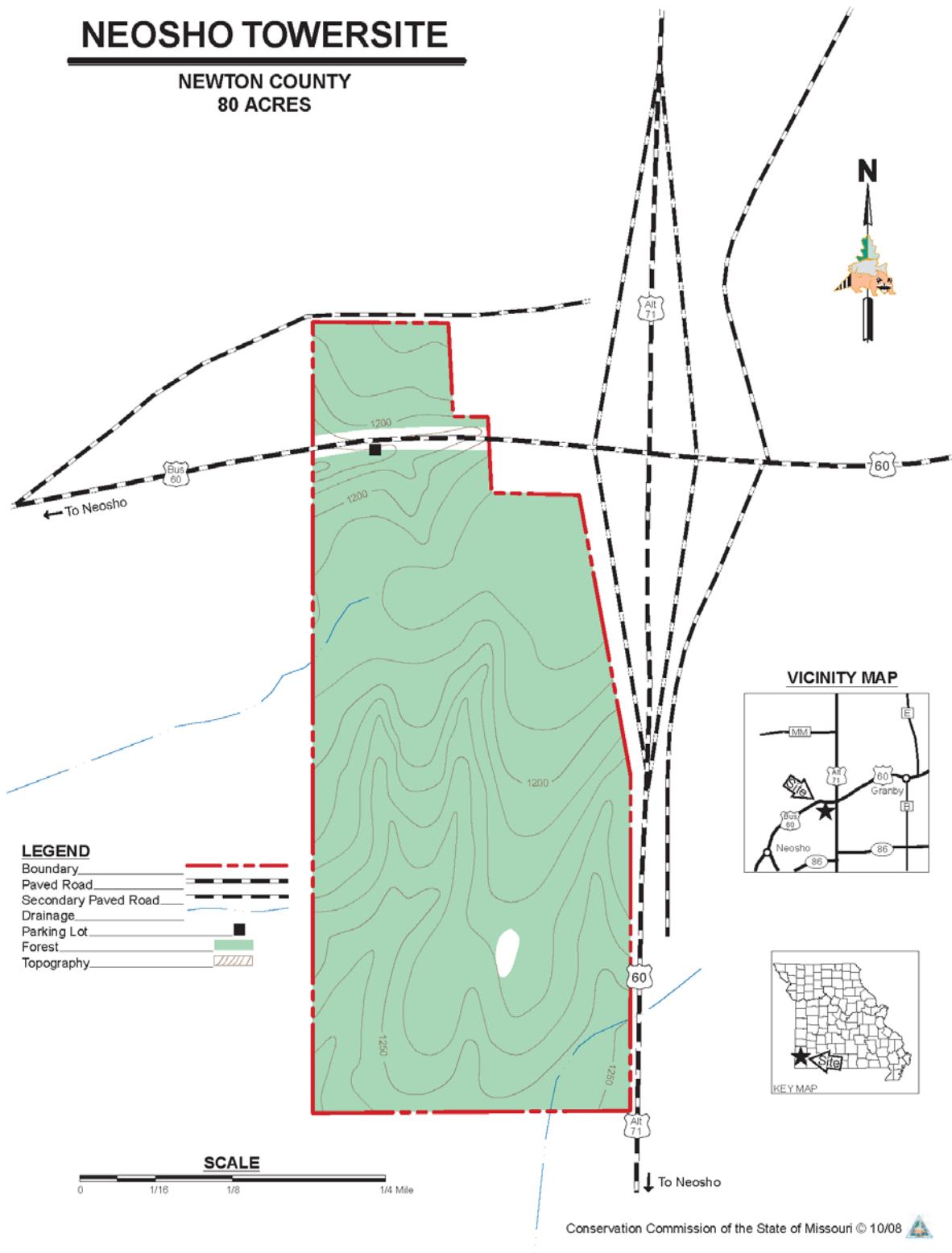
Appendix 1. Neosho Towersite Background

Neosho Towersite is a nearly 80-acre parcel of land that is forest and woodland with a small gravel parking lot on the property. The fire tower has been removed. Uses permitted on the area include bird watching, hiking, archery deer hunting and turkey hunting. Access to the towersite is made by traveling 3 miles east of Neosho on Business Highway 60. Parking area is to the south. The Conservation Commission holds a driveway permit with the Highway and Transportation Commission to access the property via Highway 60.

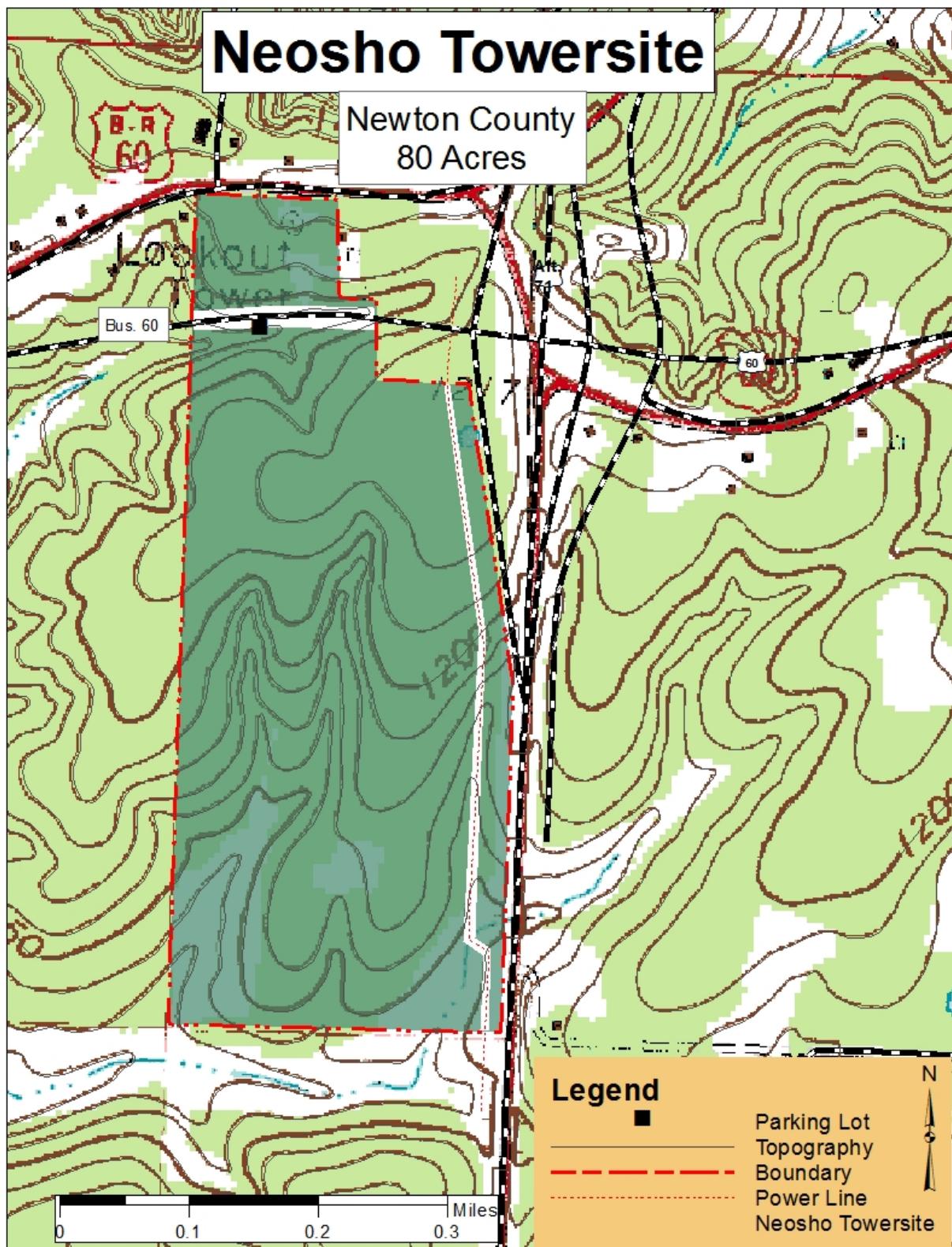
Current Land and Water Types:

Land/Water Type	Acres	% of Area
Upland Forest	80	100

Appendix 2. Area Map of Neosho Towersite



Appendix 3. Easement Map of Neosho Towersite



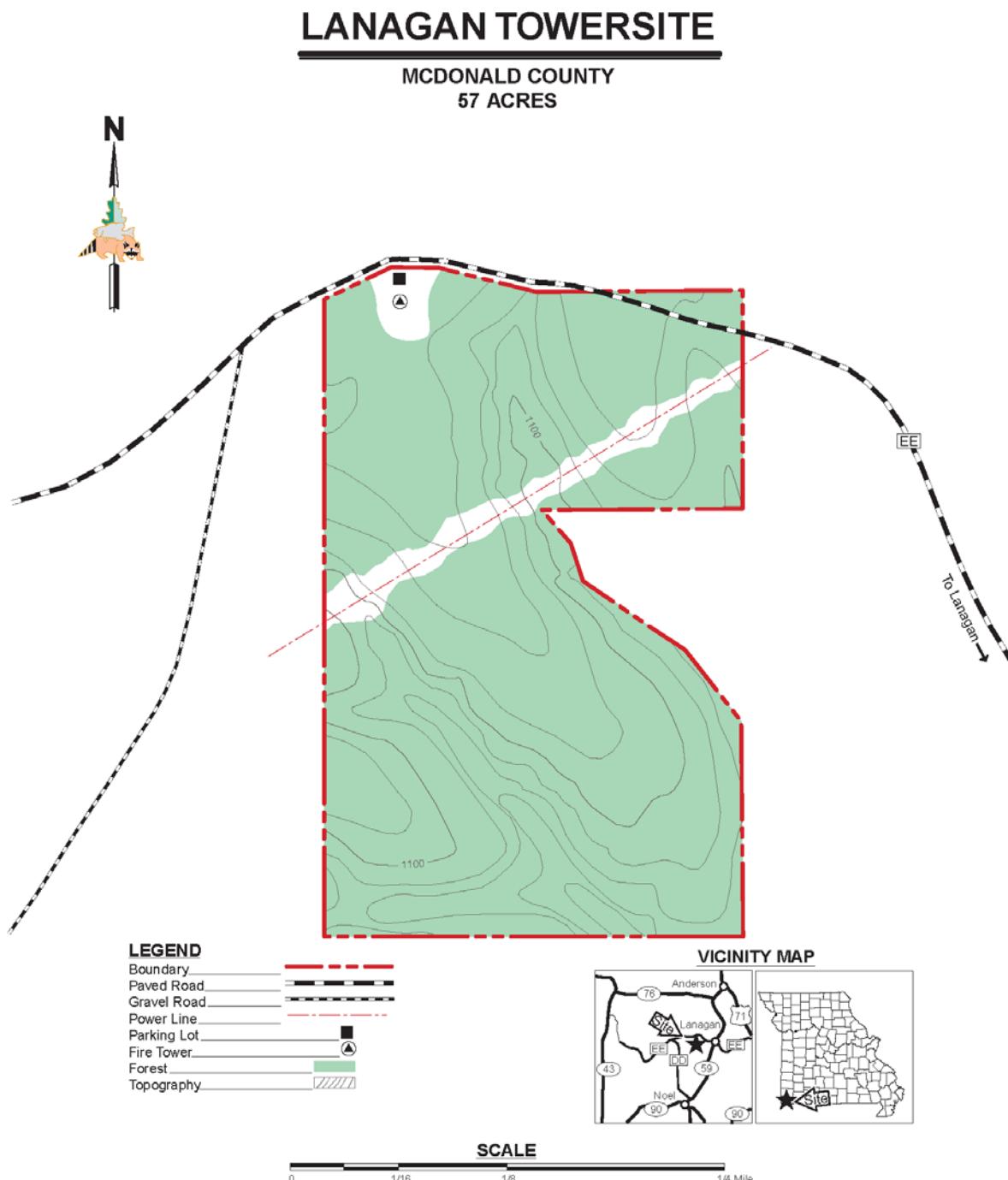
Appendix 4. Lanagan Towersite Background

Lanagan Towersite is a 57-acre parcel of land that is primarily forest and woodland with a small gravel parking lot on the property. A fire tower is still in place. McDonald County E911 has a special use agreement allowing a communications antenna to be affixed to the tower. Uses permitted on the area include hiking (no designated trails), deer hunting, squirrel hunting and turkey hunting. Access to the towersite is made by traveling south of Lanagan on Highway 59 to Route EE. Turn west on Route EE and continue 1 mile. Parking area is to the south.

Current Land and Water Types:

Land/Water Type	Acres	% of Area
Upland Forest	56	98
Other	1	2
Total	57	100

Appendix 5. Area Map of Lanagan Towersite



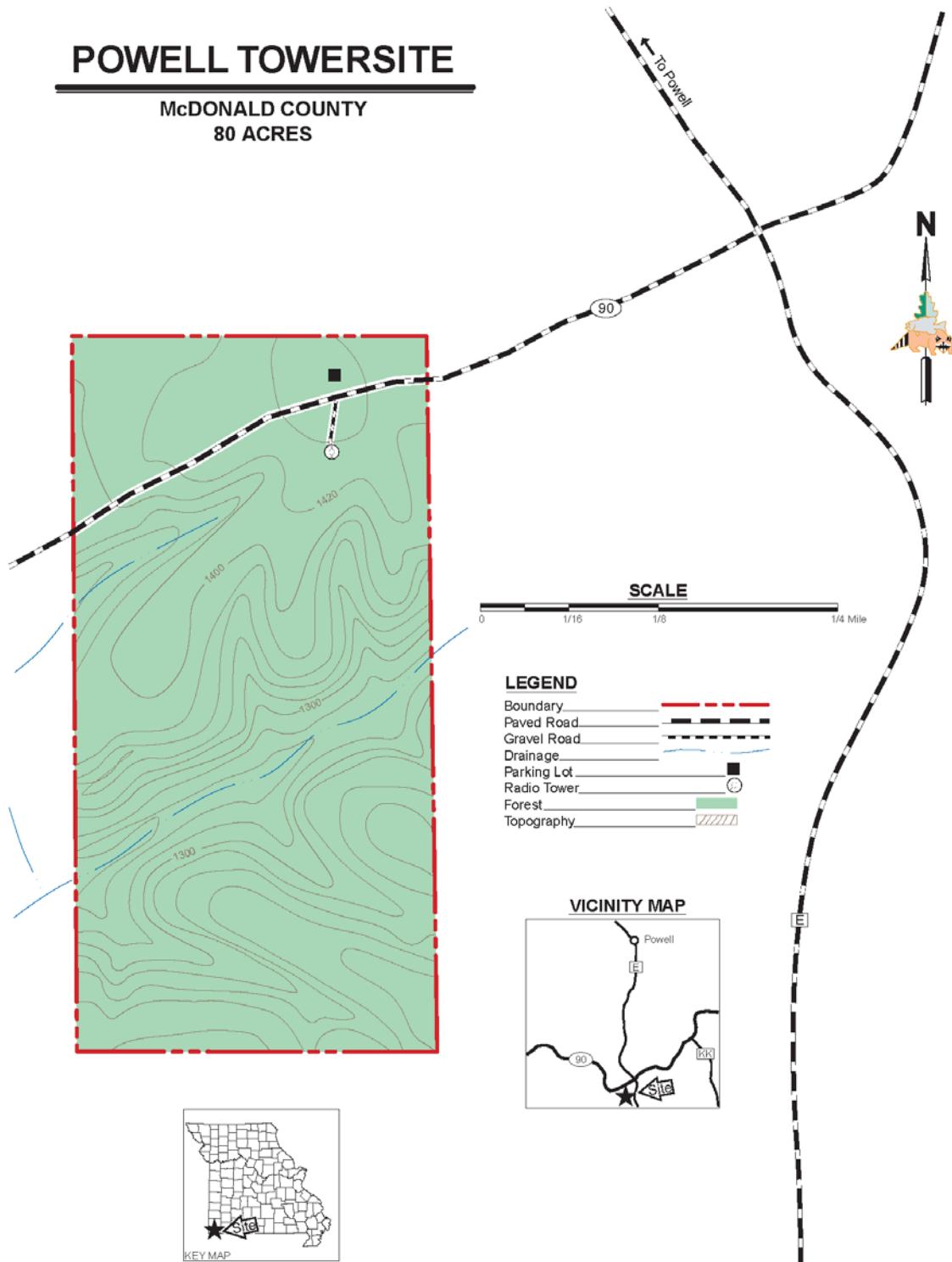
Appendix 6. Powell Towersite Background

Powell Towersite is an 80-acre parcel of land that is primarily forest and woodland with a small gravel parking lot on the property. The fire tower has been removed. Uses permitted on the area include hiking (no designated trails), deer hunting, squirrel hunting, and turkey hunting. The White Rock Fire Department has a substation built on this property. Access to the towersite is made by traveling south of Powell on Route EE to Highway 90. Turn west on Route EE and continue 0.5 miles. Parking area is to the north. A 196 foot, guyed radio tower is on site as well as an associated radio equipment building.

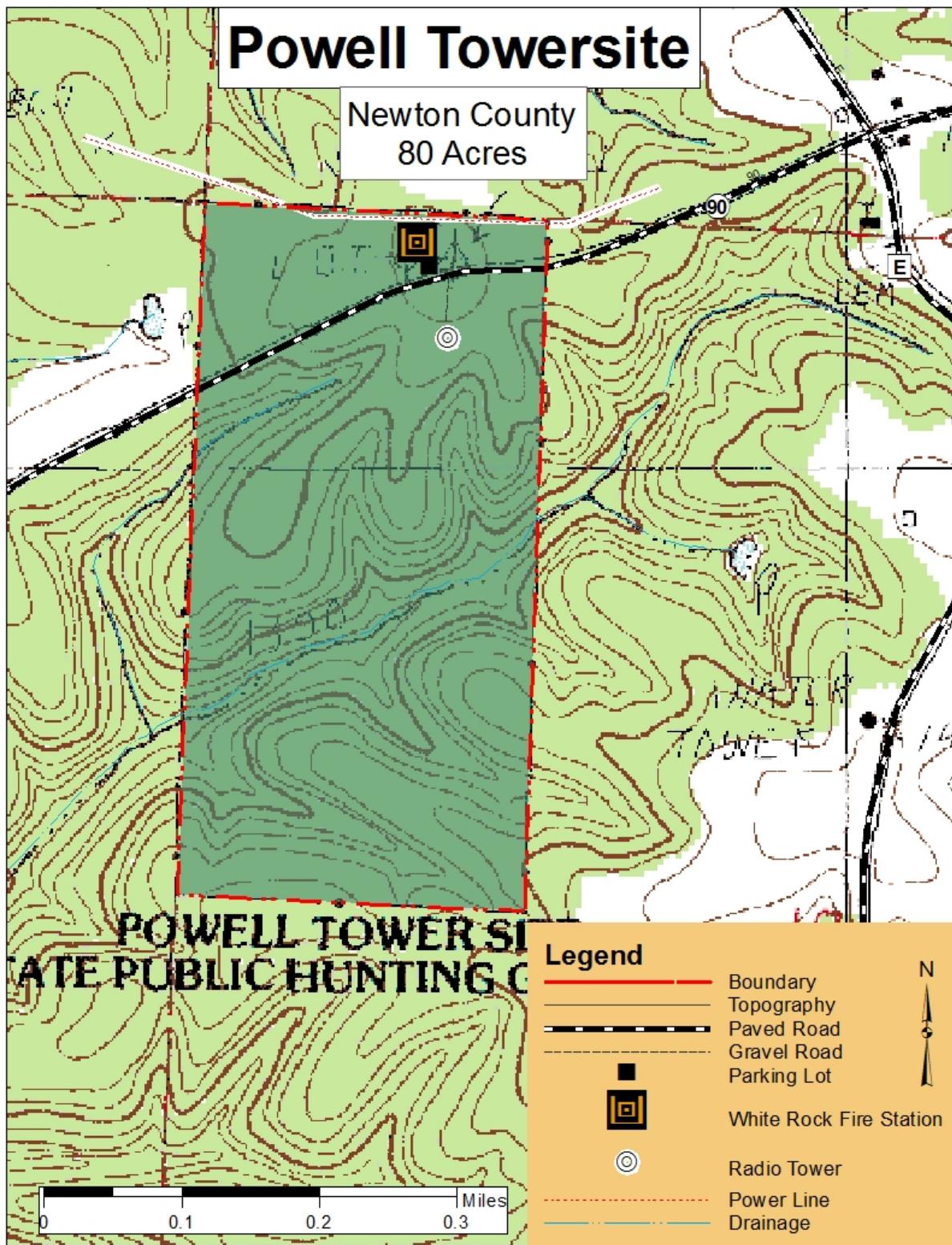
Current Land and Water Types:

Land/Water Type	Acres	% of Area
Upland Forest	79	99
Other	1	1
Total	80	100

Appendix 7. Area Map of Powell Towersite



Appendix 8. Easement Map of Powell Towersite



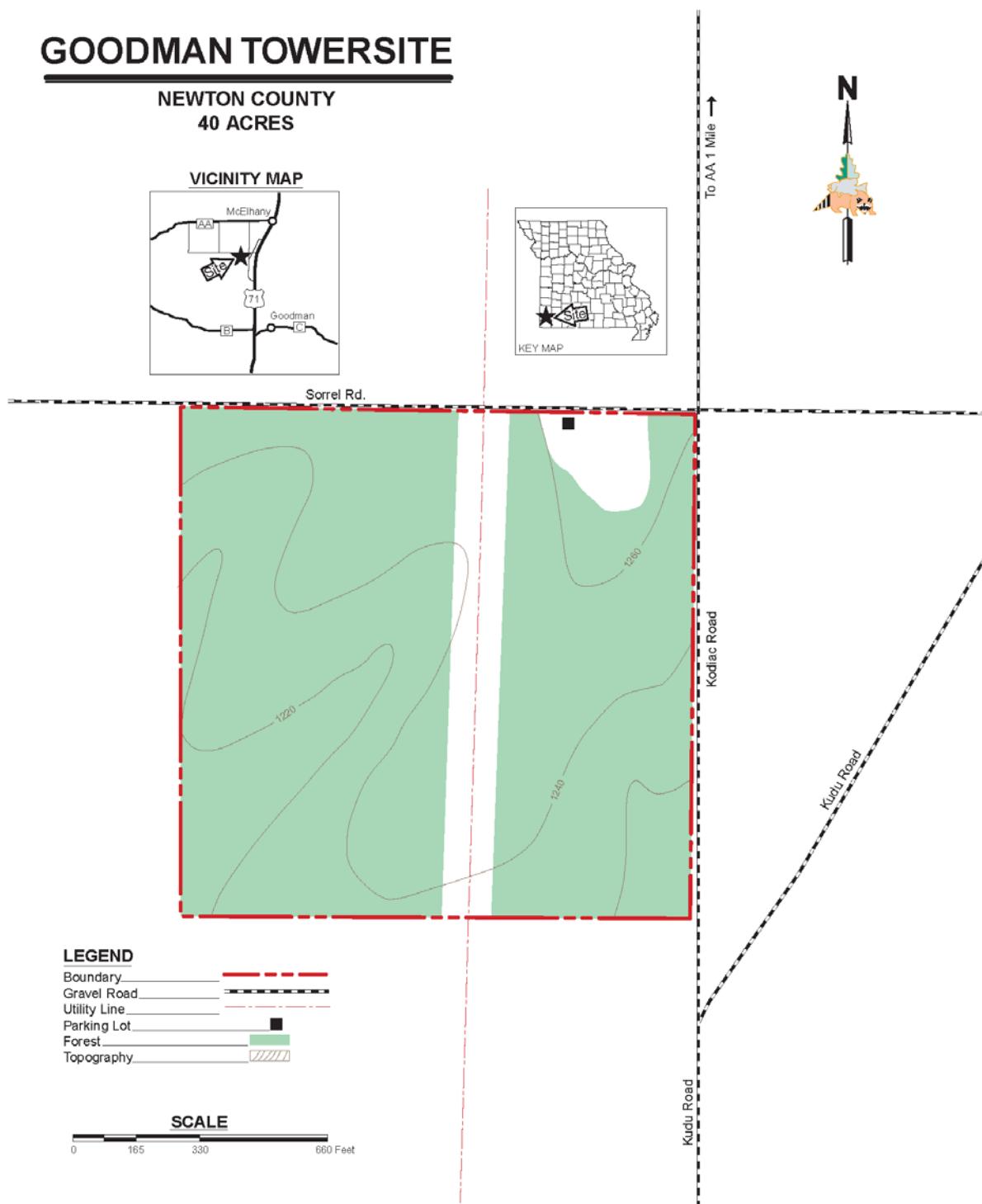
Appendix 9. Goodman Towersite Background

Goodman Towersite is a 40-acre parcel of land that is primarily forest and woodland with a small gravel parking lot on the property. The fire tower has been removed. Uses permitted on the area include bird watching, deer hunting and turkey hunting. The Goodman Fire Department has a substation built on this property. Access to the towersite is made by traveling south of Neosho on Highway 59, then travel west on Sorrel Road for 0.75 miles. Parking area is to the south.

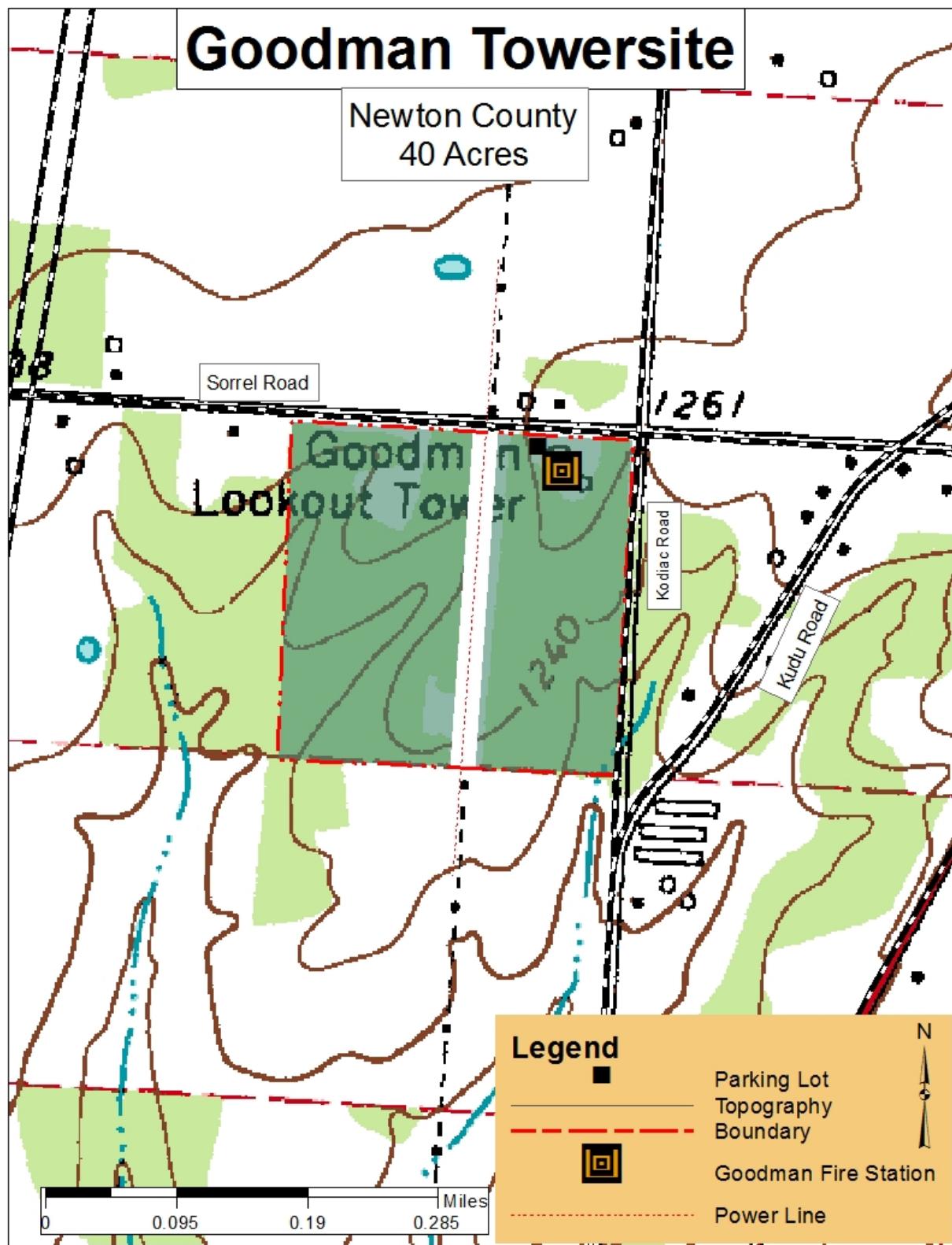
Current Land and Water Types:

Land/Water Type	Acres	% of Area
Upland Forest	39	98
Other	1	2
Total	40	100

Appendix 10. Area Map of Goodman Towersite



Appendix 11. Easement Map of Goodman Towersite



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